

Work Order ID 70806

Wednesday, June 15, 2011 1:18:39 PM



Page 1

Item ID: DSI 9494-011

Accept

Revision ID:

Item Name: 212/412 Canister Upgrade

Start Date: 6/15/2011 Start Qty: 1.00

Required Date: 6/17/2011 Req'd Qty: 1.00

Reference:

Cust Item ID:

Customer:

Setup Start

Stop

Run Start

Stop

Approvals:

Process Plan: MFDate: 11-06-15

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

DSI 9494

A

100

0.00



DC

Document Control

Memo

Photocopy bluefile & type labels per PPP DSI 9494-011
CHG001

0.00

Sub 6/29ASRC L 11-6-15 Pro →

110

Pick Kit

0.00



Packaging

Packaging

Memo

0.00

JB [Signature] 11/06/15

120

QC4- 100% Inspect kits for completeness

0.00



QC

Quality Control

Memo

0.00

Sub 6/29[Signature]

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
		Parts missing on parts list to Bom. R.C. w/o is incorrectly created		→ ADD MS 35489-16 in 118006 qty 1 to Kit	10/16/16 S 11/06/16			8 11/06/16
				correctly update w/o to Bom. ADD copy of Bom to Ref.				8 11/06/16

NOTE: Date & initial all entries

Work Order ID 70806

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Page 2

Item ID: DSI 9494-011

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Start Date: 6/15/2011 Start Qty: 1.00

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Cust Item ID:

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Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00



Packaging

Memo

0.00

Identify and pack for shipping as per PPP DSI 9494-011

Location: APPP rev:

140

0.00



QC

Quality Control

Memo

QC21- Final Inspection - Work Order Release

0.00

6/15/2011 (1)

11/6/2011

MF 11-06-28

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, June 15, 2011 1:18:33 PM

Page 1

Work Order ID: 70806

Parent Item: DSI 9494-011

Parent Item Name: 212/412 Canister Upgrade






Start Date: 6/15/2011

Required Date: 6/17/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A new issue DD 10.03.31 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN815-8D  Union-M-Flare		Purchased	No			110	Each	8.0000	1	1			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST329			8						
					114544		8						
AN833-8D  ELBOW		Purchased	No			110	Each	9.0000	1	1			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST333			9						
					114544		9						
AN924-8D  NUT		Purchased	No			110	Each	7.0000	1	1			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				MEZZ			7						
					114544		7						
D3262-043  Canister Assembly		Manufactured	No			110	Each	0.0000	1	1			
D3299-7  Fitting		Manufactured	No			110	Each	5.0000	1	1			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST047			5						
					57411		5						

JB

JB

JB

70894

4/106/15

57411

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date, & initial all entries

Picklist Print

Wednesday, June 15, 2011 1:18:33 PM

Page 2

Work Order ID: 70806

Parent Item: DSI 9494-011

Parent Item Name: 212/412 Canister Upgrade

Start Date: 6/15/2011

Required Date: 6/17/2011

Start Qty: 1.00

Required Qty: 1.00

D4054-001 Manufactured No

110

Each

5.0000

1

1

✓



Tube Assembly



JB

Location

Loc Qty

Loc Code

ST193

5

58155

5

110

Each

5.0000

1

1

✓

D4054-003 Manufactured No



Tube Assembly



JB

Location

Loc Qty

Loc Code

ST193

5

58156

5

110

Each

1.0000

1

1

✓

D4054-009 Manufactured No



Tube Assembly



JB

Location

Loc Qty

Loc Code

ST193

1

70258

1

110

Each

21.0000

2

2

✓

MS29512-08 Purchased No



O-RING



JB 11/06/15

Location

Loc Qty

Loc Code

ST294

21

113706

1

117962

20

117962

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54
REF FAA STC: SR02055NY
REF. EASA STC: EASA.IM.R.S.01180

REFERENCE ONLY

DESCRIPTION:

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS

QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING





Continue on next sheet

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE #02)

DATE: 11.06.06
CERT. NO.: SH04-54
ISSUE NO.: 1

B	SHEET 2: D412-706-011 KIT: QTY(7) MS29512-06 WAS QTY(8), QTY(3) MS29512-08 WAS QTY(2), MS35489-16 WAS MS35489-11; DSI 9494-011 KIT P/L: ADDED AN814-8D PLUG AND MS35489-16 GROMMET, QTY(3) MS29512-08 O-RING WAS QTY(2). SHEET 3: AN814-8D PLUG WAS AN814-6D PLUG AND MS29512-08 WAS MS29512-06. REASON: NCR11-641.	MB	11.06.03
A	NEW ISSUE	RF	10.01.07
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9494	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		212/412 CANISTER UPGRADE KIT	NTS
DATE	11.06.03	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

REFERENCE ONLY

Continue from previous sheet

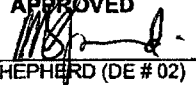
B	4	AN3-5A	BOLT
	1	AN814-8D	PLUG
	2	AN815-6D	UNION
	1	AN815-8D	UNION (WAS AN815-6D)
	1	AN832-6D	UNION
	1	AN833-6D	ELBOW
	1	AN833-8D	ELBOW (WAS AN833-6D)
	4	AN924-6D	NUT
	1	AN924-8D	NUT (WAS AN924-6D)
	1	AN938-6D	TEE
B	4	AN960JD10L	WASHER (OR NAS1149D0332J)
	8	AN960JD10	WASHER (OR NAS1149D0363J)
	2	AN960JD916	WASHER
	4	MS21042L3	NUT
	2	MS21919WDG9	CLAMP
	2	MS21920-42	CLAMP
	7	MS29512-06	O-RING (WAS MS28778-6)
	3	MS29512-08	O-RING (WAS MS28778-8)
	1	MS35489-16	GROMMET






FOR CUSTOMERS WHO HAVE EXPERIENCED THIS PROBLEM IN SERVICE, THE DSI 9494-011 UPGRADE KIT IS AVAILABLE TO UPGRADE THE INSTALLATION FROM CHG 001 TO CHG 002.

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9494-011	212/412 CANISTER UPGRADE KIT
1	D3262-043	CANISTER ASSEMBLY
1	D4054-001	TUBE ASSEMBLY
1	D4054-003	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY
1	D3299-7	FITTING
B	1	AN814-8D
	1	AN815-8D
	1	AN833-8D
	1	AN924-8D
B	3	MS29512-08
	1	MS35489-16

WEIGHT AND BALANCE:
NO CHANGE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)
DATE: 11.06.06
CERT. NO.: SH04-54
ISSUE NO.: 1

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DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		DSI 9494	SHEET 2 OF 3
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DE APPR.		212/412 CANISTER UPGRADE KIT	NTS
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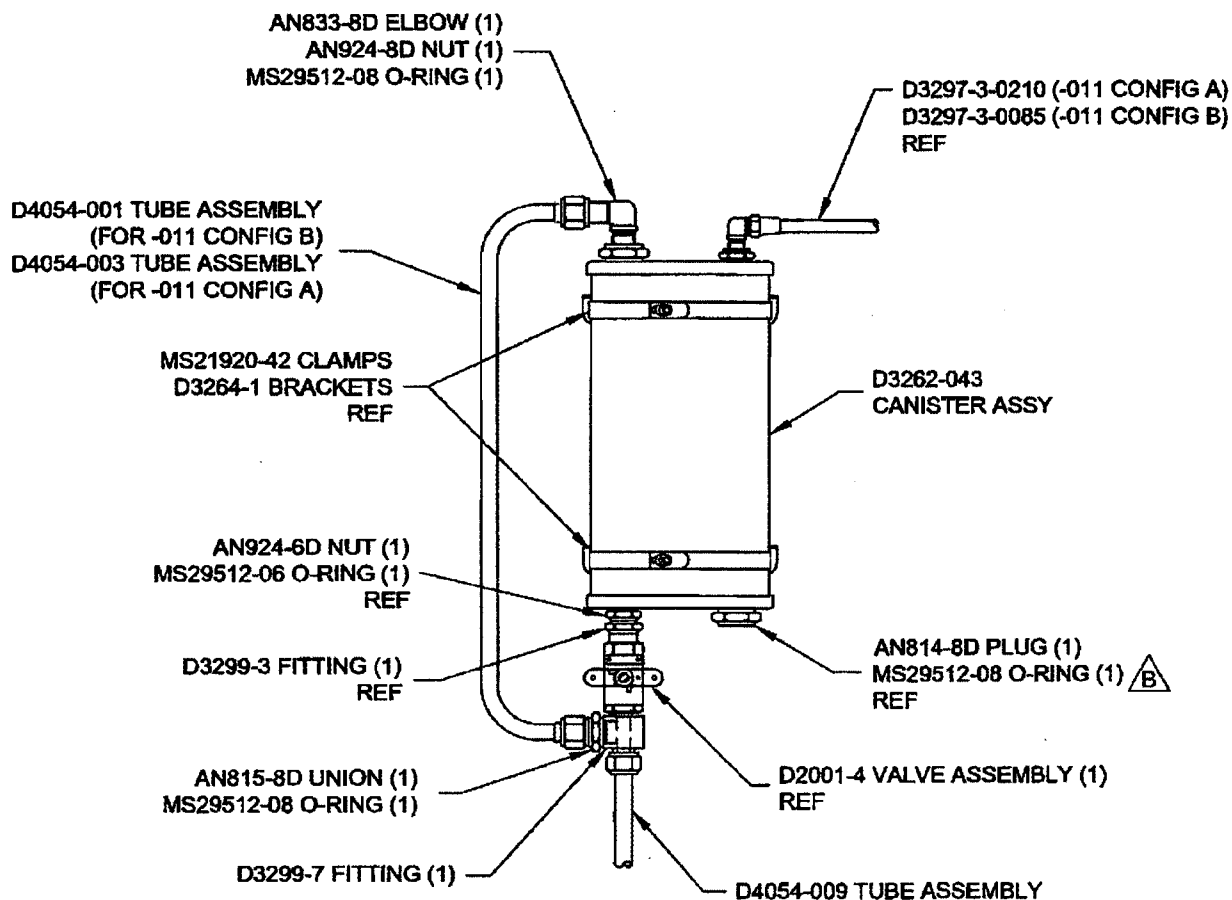






FIGURE 1. CANISTER ASSEMBLY
(-011 INSTALLATION AT CHG 002)

B NOTE: FOR THE LARGER D4054-009 LINE, CUSTOMER MUST DRILL A $\varnothing 0.813$ HOLE AND INSTALL MS35489-16 GROMMET INSTEAD OF MS35489-11 GROMMET IN BELLY SKIN.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 11.06.06
CERT. NO.: SH04-54
ISSUE NO.: 1

DESIGN	REF	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9494	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		212/412 CANISTER UPGRADE KIT	NTS
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